

In the claims:

Please amend the claims as shown below:

- 5 1. (Currently amended) A method for feeding the feed of a mixture of cellulose chips and fluid from a low-pressure system to a high-pressure system during the continuous cooking of chemical cellulose pulp, comprising:  
10 arranging a sluice feeder between the low-pressure system and the high-pressure system in which the feed between these systems occurs in that a sluice feeder (53'') is arranged between these systems for the sluice feeding of fluid and cellulose chips, the sluice feeder having a first inlet, a second inlet, a first outlet and a second outlet defined  
15 therein, the sluice feeder having a rotor with a first pocket and a second pocket and where the sluice feeder (53'') is equipped with a first inlet (53a''), a second inlet (53c''), a first outlet (53b'') and a second outlet (53d''), and it comprises a rotor with through pockets (1'', 2''), which are  
20 placed alternately in connection with the high-pressure system and the low-pressure system;  
placing where the first pocket, (1'') which is located in at a first position, is placed in connection in the low-pressure system with a chip bin (52'') or with an impregnation vessel  
25 of the low-pressure system (3'') essentially at atmospheric pressure while filling the first pocket (1'') is filled with the a chips mixture and at the same time expelling fluid present in the first pocket, while at the same time expulsion of the fluid that is present in the pocket (1'') takes place  
30 via the first outlet; (53b''),  
placing and where the second pocket (2''), which is located in at a second position, and is placed via the second outlet inlet (53d'') in connection with a transfer line (6b'') in the high-pressure system while feeding the chips mixture is fed

out from the second pocket; (2'')  
transporting the chips mixture onwardly for transport onwards  
to a treatment vessel (60'') in the high-pressure system with  
the aid of a fluid that is fed into the second pocket (2'')  
 5 through the second inlet; (53e''),  
~~characterised in that~~  
connecting the second inlet (53e'') is connected via at least  
one withdrawal line (70) connected to the treatment vessel;  
(60''),  
 10 withdrawing pressurized fluid from which the treatment vessel;  
positioning the first pocket into the second position so that  
the first pocket is in connection with the high-pressure  
system;  
~~(60'') pressurised fluid is withdrawn, and that the said~~  
 15 ~~using the pressurised~~ pressurized fluid is used to expel chips  
mixture from the first pocket (1'') when the first pocket is  
in connection with the high-pressure system;  
positioning the first pocket in the first position so that the  
first pocket is in connection with the low-pressure system;  
 20 ~~and where the withdrawing previously pressurized pressurised~~  
~~fluid is withdrawn from the first pocket via the first outlet~~  
~~(53b'') of the sluice feeder from the pocket (1'') and where~~  
forwarding a portion (REC<sub>KIK</sub>) of the previously pressurized  
pressurised fluid is forwarded directly to a recovery system  
 25 ~~and wherein the portion (REC<sub>KIK</sub>) constituting this portion~~  
~~constitutes at least 20% of the a total amount (REC<sub>tot</sub>) that is~~  
~~withdrawn for recovery, while being at least 1 m<sup>3</sup>/tonne of~~  
~~pulp; and with the aim of~~  
reducing the a total amount of electrical energy required to  
 30 pump a the chips suspension from the low pressure system to  
the high pressure system through the sluice feeder.

2. (Currently amended) The method according to claim 1, ~~characterised in that~~  
 35 ~~wherein a principal portion~~  
of the previously pressurised pressurized fluid is forwarded

to a chip bin (52'') arranged before the sluice feeder (53'') before the a portion (REC<sub>extr</sub>) of the previously ~~pressurised~~ pressurized fluid is forwarded to the recovery system via a withdrawal from the chip bin (52'').

5

3. (Currently amended) The method according to claim 1, ~~e-h-a~~  
~~=a-o-t-e-r-i-s-e-d-i-n-that-the~~ wherein a principal portion  
of the previously ~~pressurised~~ pressurized fluid is forwarded  
to an impregnation vessel (3'') essentially at atmospheric  
10 pressure arranged before the sluice feeder before a portion  
(REC<sub>extr</sub>) of the previously ~~pressurised~~ pressurized fluid is  
forwarded to the recovery system via a withdrawal from the  
impregnation vessel (3''), which is at atmospheric pressure.

4. (Currently amended) The method according to ~~claims 1-3, e~~  
~~=h-a-r-a-e-t-e-r-i-s-e-d-i-n-that~~ claim 1 wherein at least a  
portion of the ~~pressurised~~ pressurized fluid is withdrawn from  
the treatment vessel (60'') with a strainer (90) at a position  
in the treatment vessel (60'') where the chips have had a  
20 retention time greater than 60 minutes, ~~preferably greater~~  
~~than 100 minutes.~~

5. (Currently amended) The method according to claim 4, ~~e-h-a~~  
~~=a-e-t-e-r-i-s-e-d-i-n-that~~ wherein at least a portion of  
the ~~pressurised~~ pressurized fluid is withdrawn from a top  
25 separator (91) on the treatment vessels (60'').

6. (Currently amended) The method according to ~~claims 1-5, e~~  
~~=h-a-r-a-e-t-e-r-i-s-e-d-i-n-that~~ claim 1 wherein a  
recirculation line has (71) ~~comprising~~ at least one high-  
30 pressure pump (72) ~~extends and extends~~ from the first outlet  
(53b'') of the sluice feeder to the second inlet (53e'') of  
the sluice feeder for withdrawal of a portion of the  
previously ~~pressurised~~ pressurized fluid that has been  
35 expelled from the pockets of the sluice feed when ~~these the~~

pockets are located at their first positions, for the addition of ~~the~~ the portion of the previously pressurized fluid as makeup fluid to the second inlet (~~53e''~~) of the sluice feeder.

- 5 7. (Currently amended) The method according to claim 1, ~~wherein a~~  
~~re-eterised in that the~~ wherein a complete amount  
( $REC_{kit}$ ) of the previously ~~pressurised~~ pressurized fluid is  
forwarded to the recovery system.